RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/511,719_
Source: _PCT/10_
Date Processed by STIC: _10/29/04_

ENTERED

>

CRF Errors Edited by the STIC Systems Branch

Serial Number: __10/511,719__   CRF Edit Date: __10/29/04__
Edited by: ___

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

____ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

PCT

RAW SEQUENCE LISTING   DATE: 10/29/2004
PATENT APPLICATION: US/10/511,719   TIME: 18:25:42

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\10292004\J511719.raw

```
     2 <110> APPLICANT: REGEN Biotech. Inc.
     4 <120> TITLE OF INVENTION: The method for measuring the amount of B??-?? protein and
diagnostic kit
     5       using the same
W-->  6 <130> FILE REFERENCE: 2fpo-10-14
C-->  8 <140> CURRENT APPLICATION NUMBER: US/10/511,719
C-->  8 <141> CURRENT FILING DATE: 2004-10-18
     8 <160> NUMBER OF SEQ ID NOS: 10
    10 <170> SOFTWARE: KopatentIn 1.71
    12 <210> SEQ ID NO: 1
    13 <211> LENGTH: 683
    14 <212> TYPE: PRT
    15 <213> ORGANISM: Homo sapiens
    17 <400> SEQUENCE: 1
    18 Met Ala Leu Phe Val Arg Leu Leu Ala Leu Ala Leu Ala Leu Ala Leu
    19   1               5                  10                  15
    21 Gly Pro Ala Ala Thr Leu Ala Gly Pro Ala Lys Ser Pro Tyr Gln Leu
    22              20                  25                  30
    24 Val Leu Gln His Ser Arg Leu Arg Gly Arg Gln His Gly Pro Asn Val
    25          35                   40                  45
    27 Cys Ala Val Gln Lys Val Ile Gly Thr Asn Arg Lys Tyr Phe Thr Asn
    28      50                  55                  60
    30 Cys Lys Gln Trp Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile
    31   65                  70                  75                  80
    33 Ser Tyr Glu Cys Cys Pro Gly Tyr Glu Lys Val Pro Gly Glu Lys Gly
    34              85                  90                  95
    36 Cys Pro Ala Ala Leu Pro Leu Ser Asn Leu Tyr Glu Thr Leu Gly Val
    37              100                 105                 110
    39 Val Gly Ser Thr Thr Thr Gln Leu Tyr Thr Asp Arg Thr Glu Lys Leu
    40              115                 120                 125
    42 Arg Pro Glu Met Glu Gly Pro Gly Ser Phe Thr Ile Phe Ala Pro Ser
    43      130                 135                 140
    45 Asn Glu Ala Trp Ala Ser Leu Pro Ala Glu Val Leu Asp Ser Leu Val
    46 145                 150                 155                 160
    48 Ser Asn Val Asn Ile Glu Leu Leu Asn Ala Leu Arg Tyr His Met Val
    49              165                 170                 175
    51 Gly Arg Arg Val Leu Thr Asp Glu Leu Lys His Gly Met Thr Leu Thr
    52              180                 185                 190
    54 Ser Met Tyr Gln Asn Ser Asn Ile Gln Ile His His Tyr Pro Asn Gly
    55          195                 200                 205
    57 Ile Val Thr Val Asn Cys Ala Arg Leu Leu Lys Ala Asp His His Ala
    58      210                 215                 220
    60 Thr Asn Gly Val Val His Leu Ile Asp Lys Val Ile Ser Thr Ile Thr
    61 225                 230                 235                 240
```

```
63 Asn Asn Ile Gln Gln Ile Ile Glu Ile Glu Asp Thr Phe Glu Thr Leu
64             245             250             255
66 Arg Ala Ala Val Ala Ala Ser Gly Leu Asn Thr Met Leu Glu Gly Asn
67             260             265             270
69 Gly Gln Tyr Thr Leu Leu Ala Pro Thr Asn Glu Ala Phe Glu Lys Ile
70         275             280             285
72 Pro Ser Glu Thr Leu Asn Arg Ile Leu Gly Asp Pro Glu Ala Leu Arg
73     290             295             300
75 Asp Leu Leu Asn Asn His Ile Leu Lys Ser Ala Met Cys Ala Glu Ala
76 305             310             315             320
78 Ile Val Ala Gly Leu Ser Val Glu Thr Leu Glu Gly Thr Thr Leu Glu
79             325             330             335
81 Val Gly Cys Ser Gly Asp Met Leu Thr Ile Asn Gly Lys Ala Ile Ile
82             340             345             350
84 Ser Asn Lys Asp Ile Leu Ala Thr Asn Gly Val Ile His Tyr Ile Asp
85         355             360             365
87 Glu Leu Leu Ile Pro Asp Ser Ala Lys Thr Leu Phe Glu Leu Ala Ala
88     370             375             380
90 Glu Ser Asp Val Ser Thr Ala Ile Asp Leu Phe Arg Gln Ala Gly Leu
91 385             390             395             400
93 Gly Asn His Leu Ser Gly Ser Glu Arg Leu Thr Leu Leu Ala Pro Leu
94             405             410             415
96 Asn Ser Val Phe Lys Asp Gly Thr Pro Pro Ile Asp Ala His Thr Arg
97         420             425             430
99 Asn Leu Leu Arg Asn His Ile Ile Lys Asp Gln Leu Ala Ser Lys Tyr
100         435             440             445
102 Leu Tyr His Gly Gln Thr Leu Glu Thr Leu Gly Gly Lys Lys Leu Arg
103     450             455             460
105 Val Phe Val Tyr Arg Asn Ser Leu Cys Ile Glu Asn Ser Cys Ile Ala
106 465             470             475             480
108 Ala His Asp Lys Arg Gly Arg Tyr Gly Thr Leu Phe Thr Met Asp Arg
109             485             490             495
111 Val Leu Thr Pro Pro Met Gly Thr Val Met Asp Val Leu Lys Gly Asp
112             500             505             510
114 Asn Arg Phe Ser Met Leu Val Ala Ala Ile Gln Ser Ala Gly Leu Thr
115         515             520             525
117 Glu Thr Leu Asn Arg Glu Gly Val Tyr Thr Val Phe Ala Pro Thr Asn
118     530             535             540
120 Glu Ala Phe Arg Ala Leu Pro Pro Arg Glu Arg Ser Arg Leu Leu Gly
121 545             550             555             560
123 Asp Ala Lys Glu Leu Ala Asn Ile Leu Lys Tyr His Ile Gly Asp Glu
124         565             570             575
126 Ile Leu Val Ser Gly Gly Ile Gly Ala Leu Val Arg Leu Lys Ser Leu
127         580             585             590
129 Gln Gly Asp Lys Leu Glu Val Ser Leu Lys Asn Asn Val Val Ser Val
130         595             600             605
132 Asn Lys Glu Pro Val Ala Glu Pro Asp Ile Met Ala Thr Asn Gly Val
133     610             615             620
135 Val His Val Ile Thr Asn Val Leu Gln Pro Pro Ala Asn Arg Pro Gln
```

```
136 625              630              635              640
138 Glu Arg Gly Asp Glu Leu Ala Asp Ser Ala Leu Glu Ile Phe Lys Gln
139              645              650              655
141 Ala Ser Ala Phe Ser Arg Ala Ser Gln Arg Ser Val Arg Leu Ala Pro
142              660              665              670
144 Val Tyr Gln Lys Leu Leu Glu Arg Met Lys His
145         675              680
148 <210> SEQ ID NO: 2
149 <211> LENGTH: 2691
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 2
154 gcttgcccgt cggtcgctag ctcgctcggt gcgcgtcgtc ccgctccatg gcgctcttcg     60
156 tgcggctgct ggctctcgcc ctggctctgg ccctgggccc cgccgcgacc ctggcgggtc    120
158 ccgccaagtc gccctaccag ctggtgctgc agcacagcag gctccggggc cgccagcacg    180
160 gccccaacgt gtgtgctgtg cagaaggtta ttggcactaa taggaagtac ttcaccaact    240
162 gcaagcagtg gtaccaaagg aaaatctgtg gcaaatcaac agtcatcagc tacgagtgct    300
164 gtcctggata tgaaaaggtc cctggggaga agggctgtcc agcagcccta ccactctcaa    360
166 acctttacga gaccctggga gtcgttggat ccaccaccac tcagctgtac acggaccgca    420
168 cggagaagct gaggcctgag atggaggggc ccggcagctt caccatcttc gcccctagca    480
170 acgaggcctg ggcctccttg ccagctgaag tgctggactc cctggtcagc aatgtcaaca    540
172 ttgagctgct caatgccctc cgctaccata tggtgggcag gcgagtcctg actgatgagc    600
174 tgaaacacgg catgaccctc acctctatgt accagaattc caacatccag atccaccact    660
176 atcctaatgg gattgtaact gtgaactgtg cccggctcct gaaagccgac caccatgcaa    720
178 ccaacggggt ggtgcacctc atcgataagg tcatctccac catcaccaac aacatccagc    780
180 agatcattga gatcgaggac acctttgaga cccttcgggc tgctgtggct gcatcagggc    840
182 tcaacacgat gcttgaaggt aacggccagt acacgctttt ggccccgacc aatgaggcct    900
184 tcgagaagat ccctagtgag actttgaacc gtatcctggg cgacccagaa gccctgagag    960
186 acctgctgaa caaccacatc ttgaagtcag ctatgtgtgc tgaagccatc gttgcggggc   1020
188 tgtctgtaga gaccctggag ggcacgacac tggaggtggg ctgcagcggg gacatgctca   1080
190 ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc   1140
192 actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag   1200
194 agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct   1260
196 ctggaagtga gcggttgacc ctcctggctc ccctgaattc tgtattcaaa gatggaaccc   1320
198 ctccaattga tgcccataca aggaatttgc ttcggaacca cataattaaa gaccagctgg   1380
200 cctctaagta tctgtaccat ggacagaccc tggaaactct gggcggcaaa aaactgagag   1440
202 tttttgttta tcgtaatagc ctctgcattg agaacagctg catcgcggcc cacgacaaga   1500
204 gggggaggta cgggaccctg ttcacgatgg accgggtgct gacccccca atggggactg   1560
206 tcatggatgt cctgaaggga gacaatcgct ttagcatgct ggtagctgcc atccagtctg   1620
208 caggactgac ggagaccctc aaccgggaag gagtctacac agtctttgct cccacaaatg   1680
210 aagccttccg agccctgcca ccaagagaac ggagcagact cttgggagat gccaaggaac   1740
212 ttgccaacat cctgaaatac cacattggtg atgaaatcct ggttagcgga ggcatcgggg   1800
214 ccctggtgcg gctaaagtct ctccaaggtg acaagctgga agtcagcttg aaaaacaatg   1860
216 tggtgagtgt caacaaggag cctgttgccg agcctgacat catggccaca aatggcgtgg   1920
218 tccatgtcat caccaatgtt ctgcagcctc agccaacag acctcaggaa agaggggatg   1980
220 aacttgcaga ctctgcgctt gagatcttca aacaagcatc agcgttttcc agggcttccc   2040
222 agaggtctgt gcgactagcc cctgtctatc aaaagttatt agagaggatg aagcattagc   2100
224 ttgaagcact acaggaggaa tgcaccacgg cagctctccg ccaatttctc tcagatttcc   2160
226 acagagactg tttgaatgtt ttcaaaacca agtatcacac tttaatgtac atgggccgca   2220
```

RAW SEQUENCE LISTING   DATE: 10/29/2004
PATENT APPLICATION: **US/10/511,719**   TIME: 18:25:43

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\10292004\J511719.raw**

```
228 ccataatgag atgtgagcct tgtgcatgtg ggggaggagg gagagagatg tactttttaa    2280
230 atcatgttcc ccctaaacat ggctgttaac ccactgcatg cagaaacttg gatgtcactg    2340
232 cctgacattc acttccagag aggacctatc ccaaatgtgg aattgactgc ctatgccaag    2400
234 tccctggaaa aggagcttca gtattgtggg gctcataaaa catgaatcaa gcaatccagc    2460
236 ctcatgggaa gtcctggcac agttttgta aagcccttgc acagctggag aaatggcatc      2520
238 attataagct atgagttgaa atgttctgtc aaatgtgtct cacatctaca cgtggcttgg    2580
240 aggctttat ggggcccctgt ccaggtagaa aagaaatggt atgtagagct tagatttccc     2640
242 tattgtgaca gagccatggt gtgtttgtaa taataaaacc aaagaaacat a              2691
```

245 <210> SEQ ID NO: 3
246 <211> LENGTH: 585
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <220> FEATURE:
251 <221> NAME/KEY: PEPTIDE
252 <222> LOCATION: (1)..(585)
253 <223> OTHER INFORMATION: 69 to 653 amino acid sequence of human ID No.1
256 <400> SEQUENCE: 3

```
257 Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile Ser Tyr Glu Cys
258   1               5                  10                  15
260 Cys Pro Gly Tyr Glu Lys Val Pro Gly Glu Lys Gly Cys Pro Ala Ala
261              20                  25                  30
263 Leu Pro Leu Ser Asn Leu Tyr Glu Thr Leu Gly Val Val Gly Ser Thr
264          35                  40                      45
266 Thr Thr Gln Leu Tyr Thr Asp Arg Thr Glu Lys Leu Arg Pro Glu Met
267      50                  55                      60
269 Glu Gly Pro Gly Ser Phe Thr Ile Phe Ala Pro Ser Asn Glu Ala Trp
270 65                  70                  75                  80
272 Ala Ser Leu Pro Ala Glu Val Leu Asp Ser Leu Val Ser Asn Val Asn
273              85                  90                      95
275 Ile Glu Leu Leu Asn Ala Leu Arg Tyr His Met Val Gly Arg Arg Val
276          100                 105                 110
278 Leu Thr Asp Glu Leu Lys His Gly Met Thr Leu Thr Ser Met Tyr Gln
279          115                 120                 125
281 Asn Ser Asn Ile Gln Ile His His Tyr Pro Asn Gly Ile Val Thr Val
282      130                 135                 140
284 Asn Cys Ala Arg Leu Leu Lys Ala Asp His His Ala Thr Asn Gly Val
285 145                 150                 155                 160
287 Val His Leu Ile Asp Lys Val Ile Ser Thr Ile Thr Asn Asn Ile Gln
288              165                 170                 175
290 Gln Ile Ile Glu Ile Glu Asp Thr Phe Glu Thr Leu Arg Ala Ala Val
291          180                 185                 190
293 Ala Ala Ser Gly Leu Asn Thr Met Leu Glu Gly Asn Gly Gln Tyr Thr
294          195                 200                 205
296 Leu Leu Ala Pro Thr Asn Glu Ala Phe Glu Lys Ile Pro Ser Glu Thr
297      210                 215                 220
299 Leu Asn Arg Ile Leu Gly Asp Pro Glu Ala Leu Arg Asp Leu Leu Asn
300 225                 230                 235                 240
302 Asn His Ile Leu Lys Ser Ala Met Cys Ala Glu Ala Ile Val Ala Gly
303              245                 250                 255
```

RAW SEQUENCE LISTING   DATE: 10/29/2004
PATENT APPLICATION: US/10/511,719   TIME: 18:25:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\10292004\J511719.raw

```
305 Leu Ser Val Glu Thr Leu Glu Gly Thr Thr Leu Glu Val Gly Cys Ser
306             260                 265                 270
308 Gly Asp Met Leu Thr Ile Asn Gly Lys Ala Ile Ile Ser Asn Lys Asp
309         275                 280                 285
311 Ile Leu Ala Thr Asn Gly Val Ile His Tyr Ile Asp Glu Leu Leu Ile
312     290                 295                 300
314 Pro Asp Ser Ala Lys Thr Leu Phe Glu Leu Ala Ala Glu Ser Asp Val
315 305                 310                 315                 320
317 Ser Thr Ala Ile Asp Leu Phe Arg Gln Ala Gly Leu Gly Asn His Leu
318             325                 330                 335
320 Ser Gly Ser Glu Arg Leu Thr Leu Leu Ala Pro Leu Asn Ser Val Phe
321             340                 345                 350
323 Lys Asp Gly Thr Pro Pro Ile Asp Ala His Thr Arg Asn Leu Leu Arg
324         355                 360                 365
326 Asn His Ile Ile Lys Asp Gln Leu Ala Ser Lys Tyr Leu Tyr His Gly
327     370                 375                 380
329 Gln Thr Leu Glu Thr Leu Gly Gly Lys Lys Leu Arg Val Phe Val Tyr
330 385                 390                 395                 400
332 Arg Asn Ser Leu Cys Ile Glu Asn Ser Cys Ile Ala Ala His Asp Lys
333             405                 410                 415
335 Arg Gly Arg Tyr Gly Thr Leu Phe Thr Met Asp Arg Val Leu Thr Pro
336         420                 425                 430
338 Pro Met Gly Thr Val Met Asp Val Leu Lys Gly Asp Asn Arg Phe Ser
339         435                 440                 445
341 Met Leu Val Ala Ala Ile Gln Ser Ala Gly Leu Thr Glu Thr Leu Asn
342     450                 455                 460
344 Arg Glu Gly Val Tyr Thr Val Phe Ala Pro Thr Asn Glu Ala Phe Arg
345 465                 470                 475                 480
347 Ala Leu Pro Pro Arg Glu Arg Ser Arg Leu Leu Gly Asp Ala Lys Glu
348             485                 490                 495
350 Leu Ala Asn Ile Leu Lys Tyr His Ile Gly Asp Glu Ile Leu Val Ser
351             500                 505                 510
353 Gly Gly Ile Gly Ala Leu Val Arg Leu Lys Ser Leu Gln Gly Asp Lys
354         515                 520                 525
356 Leu Glu Val Ser Leu Lys Asn Asn Val Val Ser Val Asn Lys Glu Pro
357     530                 535                 540
359 Val Ala Glu Pro Asp Ile Met Ala Thr Asn Gly Val Val His Val Ile
360 545                 550                 555                 560
362 Thr Asn Val Leu Gln Pro Pro Ala Asn Arg Pro Gln Glu Arg Gly Asp
363             565                 570                 575
365 Glu Leu Ala Asp Ser Ala Leu Glu Ile
366             580                 585
369 <210> SEQ ID NO: 4
370 <211> LENGTH: 1857
371 <212> TYPE: DNA
372 <213> ORGANISM: Mouse Intracisternal A-particle
374 <400> SEQUENCE: 4
375 gcaggtcccg ccaagtcacc ctaccagctg gtgctgcagc atagccggct ccggggtcgc      60
377 cagcacggcc ccaatgtatg .tgctgtgcag aaggtcattg gcaccaacaa gaaatacttc     120
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/29/2004
PATENT APPLICATION: **US/10/511,719**   TIME: 18:25:44

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\10292004\J511719.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

VERIFICATION SUMMARY   DATE: 10/29/2004
PATENT APPLICATION: **US/10/511,719**   TIME: 18:25:44

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\10292004\J511719.raw**

L:6 M:283 W: Missing Blank Line separator, <130> field identifier
L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date